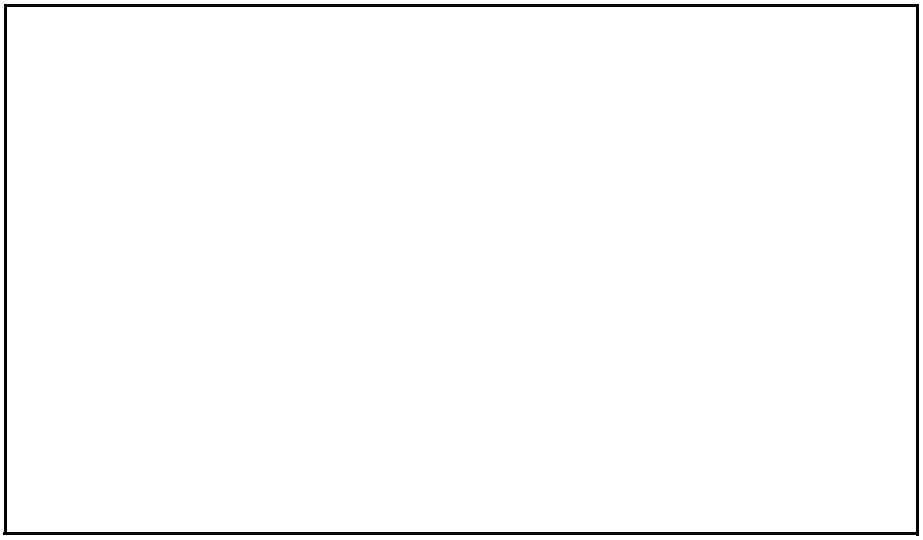
40RM007-034, 40RMQ008-028

DIRECT-EXPANSION AIR-HANDLING UNIT

— PERFORMANCE DATA

— CERTIFIED DIMENSION PRINTS

— FAN COIL ACCESSORY DIMENSION PRINTS



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Form 40RM-4SB Replaces 40RM-3SB Printed in U.S.A. 6-01 Catalog No. 514-025

Date:	Supersedes:	**40RM007-034,40RMQ008-016 DIRECT-EXPANSION AIR-HANDLING UNIT**	40RM/RMQ	Rev: -4SB
JOB NAME:		LOCATION:		
BUYER:		BUYER P.O.#	CARRIER#	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	

DESCRIPTION

The 40RM fan coil units are a completely packaged unit offering the ultimate in installation ease and flexibility. Combined with Carrier 38 Series condensing units these fan coils offer system capacities from 6 to 30 tons. These units may be installed in either the vertical or horizontal configuration with no modifications. Heating capability is provided by electric heaters, hot water coils, steam coils, or if heat pump application is called for, Carrier offers the 40RMQ units.

FEATURES

Cleanable insulation treated with an anti-microbial agent.

Sloped condensate pans.

2-in. filters.

Powerful belt-driven forward curved fans.

Factory-installed fan motor and contactor.

Refrigerant metering device — factory-installed.

Easy maintenance — removal of a single panel allows access to virtually all components.

Single blower on 6 to 10 ton units; dual blower on $12^1/_2$ to 30 ton units.

24-volt terminal block for control wiring connection.

Standard one-year warranty.

PERFORMANCE DATA

Total Cooling Capacity _____ MBtuh

Sensible Cooling Capacity _____ MBtuh

Air Quantity _____ Cfm

Entering Air _____ °F db _____ °F wb

External Static Pressure _____ in. wg

RPM _____, BHP _____

Saturated Suction Temperature _____ °F

Total Heating Capacity _____ MBtuh

ELECTRICAL DATA

Power Supply _____ Volts, _____ Phase, _____ Hz

MOCP _____ MCA _____

ACCESSORIES

(Field Installed)

- ☐ Subbase for Vertical Applications
- ☐ Free-Blow Discharge Plenum
- ☐ Return Air Grille Panel
- ☐ Overhead Suspension Brackets
- ☐ Two-Row Hot Water Coil
- ☐ One-Row Steam Distributing Coil
- ☐ Economizer
- ☐ Electric Heat _____ Volts, _____ kW
- ☐ CO_2 Sensor
- ☐ Programmable Thermostat
- ☐ Condensate Drain Trap
- ☐ UV-C Germicidal Lamps

CUT ALONG DOTTED LINE CUT ALONG DOTTED LINE

CERTIFIED DIMENSION PRINT

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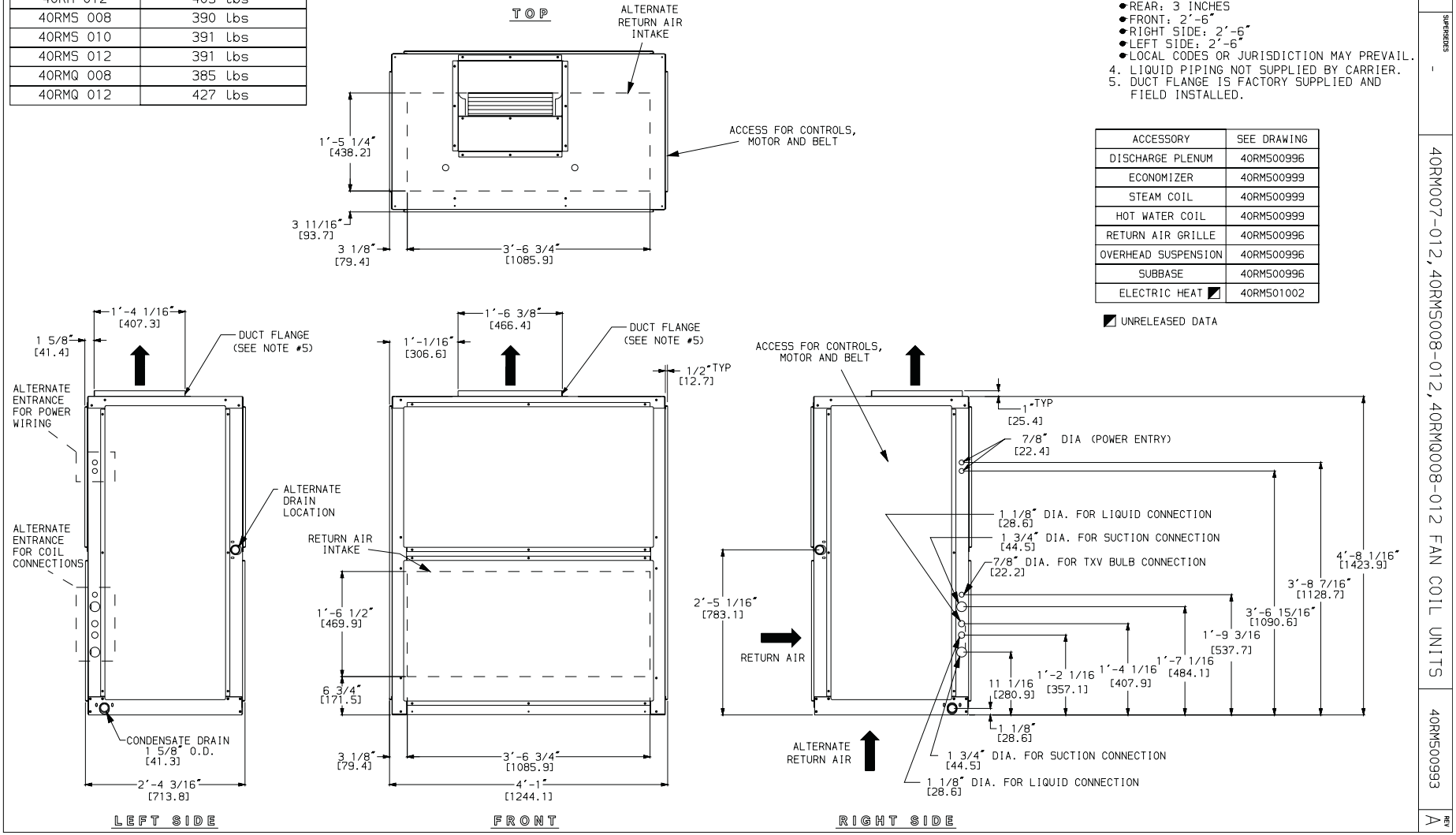
DATE 12/02/94 | SUPERSEDES - | 40RM007-012, 40RM508-012, 40RMQ008-012 FAN COIL UNITS | 40RM500993 | REV A

UNIT	UNIT WEIGHT (W/TXV)
40RM 007	381 lbs
40RM 008	385 lbs
40RM 012	405 lbs
40RMS 008	390 lbs
40RMS 010	391 lbs
40RMS 012	391 lbs
40RMQ 008	385 lbs
40RMQ 012	427 lbs

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⟹ DIRECTION OF AIR FLOW.
3. RECOMMENDED CLEARANCE:
   - REAR: 3 INCHES
   - FRONT: 2'-6"
   - RIGHT SIDE: 2'-6"
   - LEFT SIDE: 2'-6"
   - LOCAL CODES OR JURISDICTION MAY PREVAIL.
4. LIQUID PIPING NOT SUPPLIED BY CARRIER.
5. DUCT FLANGE IS FACTORY SUPPLIED AND FIELD INSTALLED.

ACCESSORY	SEE DRAWING
DISCHARGE PLENUM	40RM500996
ECONOMIZER	40RM500999
STEAM COIL	40RM500999
HOT WATER COIL	40RM500999
RETURN AIR GRILLE	40RM500996
OVERHEAD SUSPENSION	40RM500996
SUBBASE	40RM500996
ELECTRIC HEAT ◪	40RM501002

◪ UNRELEASED DATA



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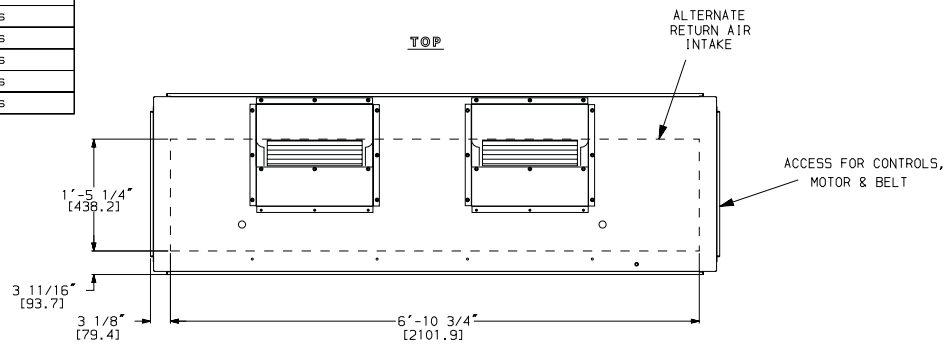
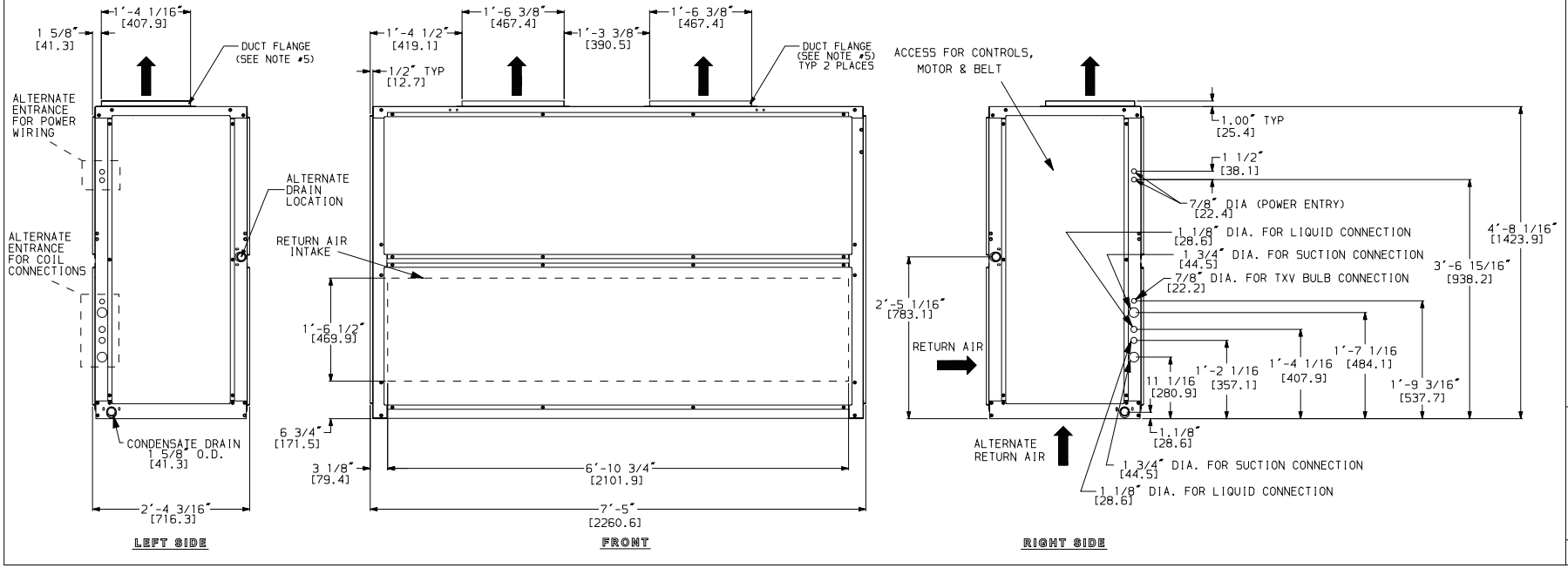
UNIT	UNIT WEIGHT (W/TXV)
40RM 014	670 lbs
40RM 016	685 lbs
40RM 024	690 lbs
40RMS 014	661 lbs
40RMS 016	677 lbs
40RMS 024	683 lbs
40RMQ 016	713 lbs
40RMQ 024	720 lbs

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⟹ DIRECTION OF AIR FLOW.
3. RECOMMENDED CLEARANCE:
   - REAR: 3″
   - FRONT: 2′-6″
   - RIGHT SIDE: 2′-6″
   - LEFT SIDE: 2′-6″
   - LOCAL CODES OR JURISDICTION MAY PREVAIL.
4. LIQUID PIPING NOT SUPPLIED BY CARRIER.
5. DUCT FLANGE IS FACTORY SUPPLIED AND FIELD INSTALLED.

ACCESSORY	SEE DRAWING
DISCHARGE PLENUM	40RM500997
ECONOMIZER	40RM501000
STEAM COIL	40RM501000
HOT WATER COIL	40RM501000
RETURN AIR GRILLE	40RM500997
OVERHEAD SUSPENSION	40RM500997
SUBBASE	40RM500997
ELECTRIC HEAT	40RM501002





DATE 09/04/01
SUPERSEDES 01/03/95
40RM014-024, 40RMS014-024, 40RM1016-024 FAN COIL UNITS
40RM500994
REV B

CUT ALONG DOTTED LINE CUT ALONG DOTTED LINE

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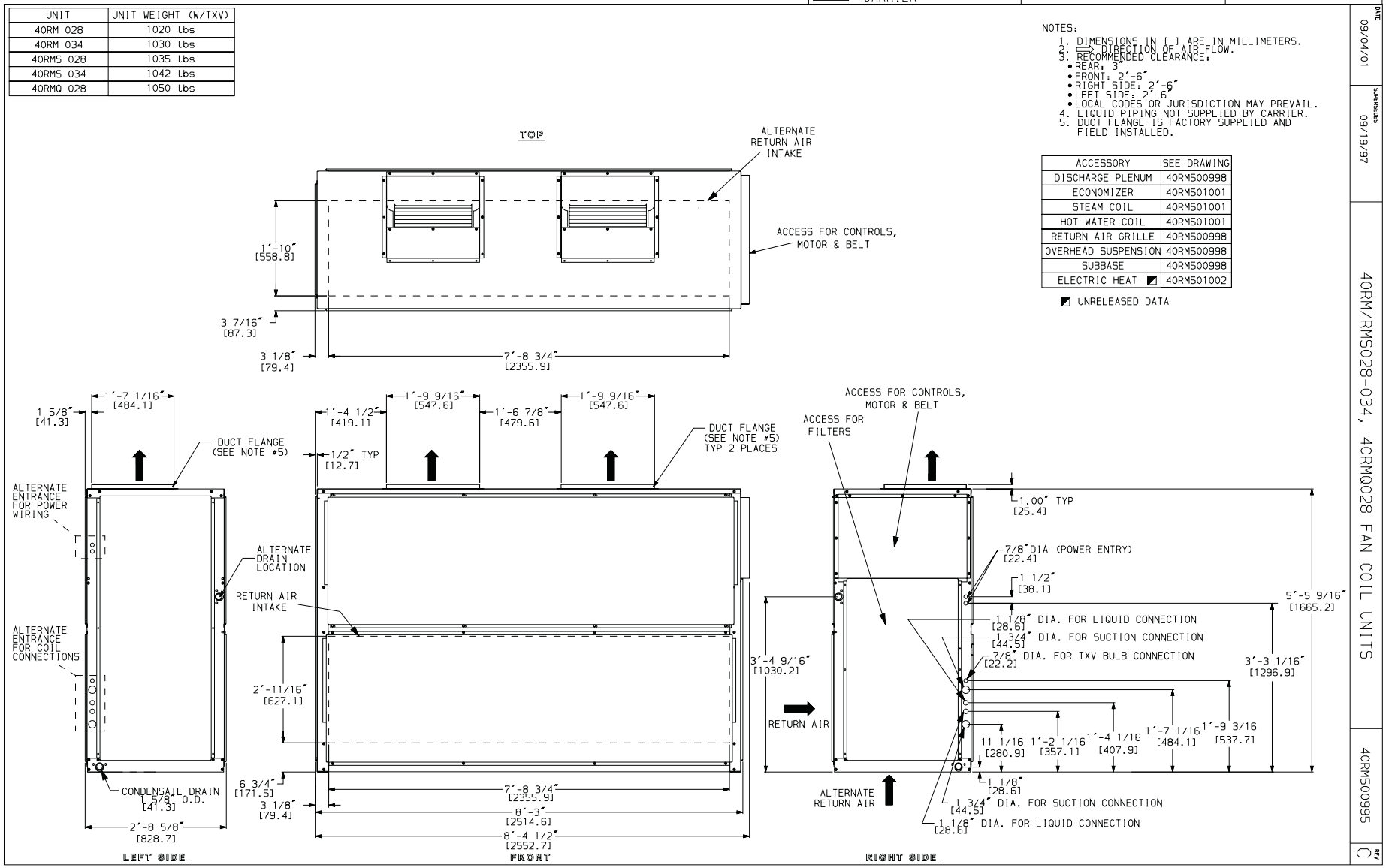
UNIT	UNIT WEIGHT (W/TXV)
40RM 028	1020 lbs
40RM 034	1030 lbs
40RMS 028	1035 lbs
40RMS 034	1042 lbs
40RMQ 028	1050 lbs

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⇨ DIRECTION OF AIR FLOW.
3. RECOMMENDED CLEARANCE:
   - REAR: 3"
   - FRONT: 2'-6"
   - RIGHT SIDE: 2'-6"
   - LEFT SIDE: 2'-6"
   - LOCAL CODES OR JURISDICTION MAY PREVAIL.
4. LIQUID PIPING NOT SUPPLIED BY CARRIER.
5. DUCT FLANGE IS FACTORY SUPPLIED AND FIELD INSTALLED.

ACCESSORY	SEE DRAWING
DISCHARGE PLENUM	40RM500998
ECONOMIZER	40RM501001
STEAM COIL	40RM501001
HOT WATER COIL	40RM501001
RETURN AIR GRILLE	40RM500998
OVERHEAD SUSPENSION	40RM500998
SUBBASE	40RM500998
ELECTRIC HEAT ◩	40RM501002

◩ UNRELEASED DATA



DATE 09/04/01 | SUPERSEDES 09/19/97 | 40RM/RMS028-034, 40RMQ028 FAN COIL UNITS | 40RM500995 | REV C

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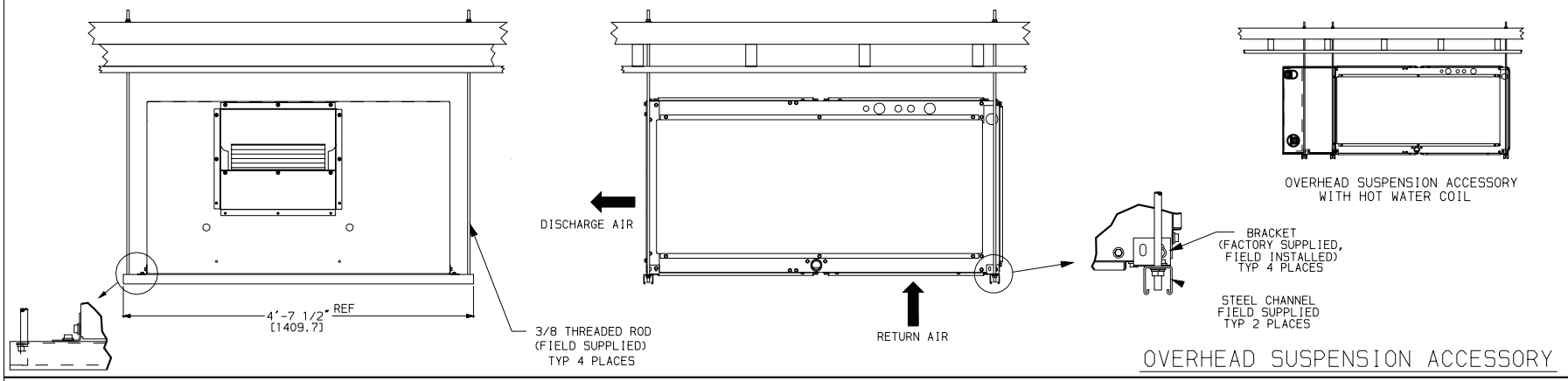
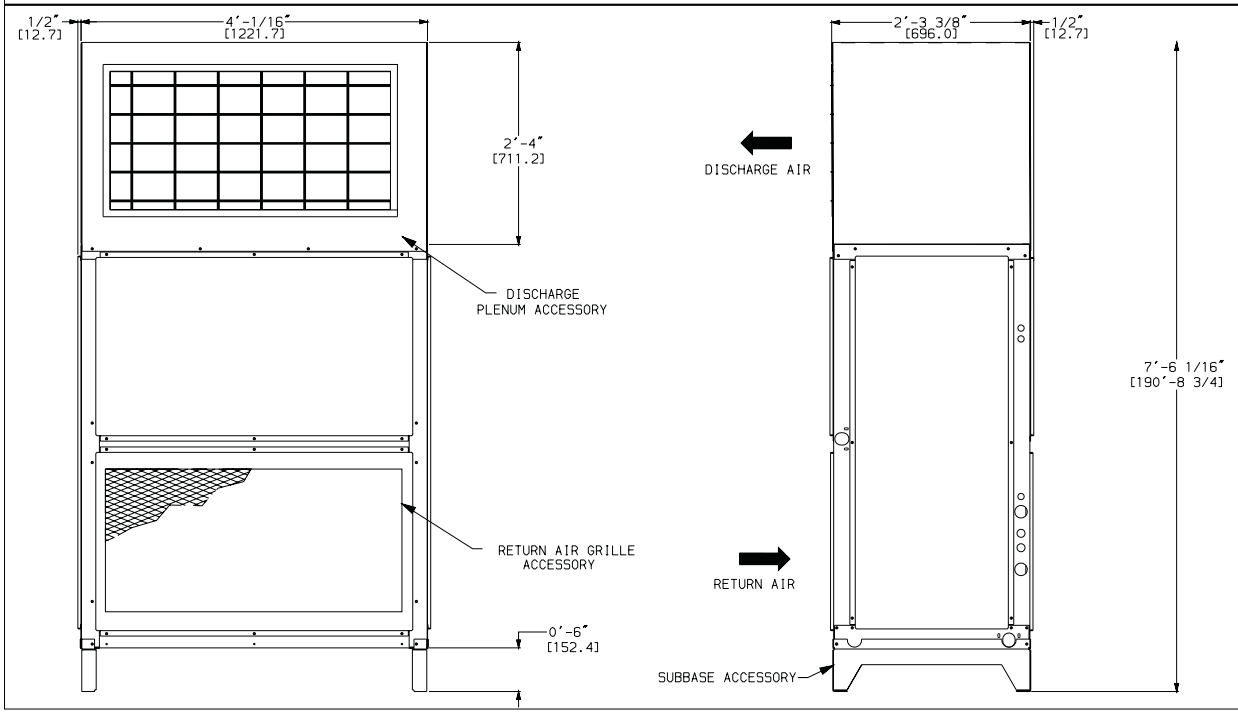


OVERHEAD SUSPENSION ACCESSORY



DISCHARGE PLENUM ACCESSORY
RETURN AIR GRILLE ACCESSORY
SUBBASE ACCESSORY

DATE 4/10/95
SUPERSEDES -
40RM007-012,40RM5008-012,40RM0008-012 FAN COIL ACCESSORIES
40RM500996
REV A

CUT ALONG DOTTED LINE CUT ALONG DOTTED LINE

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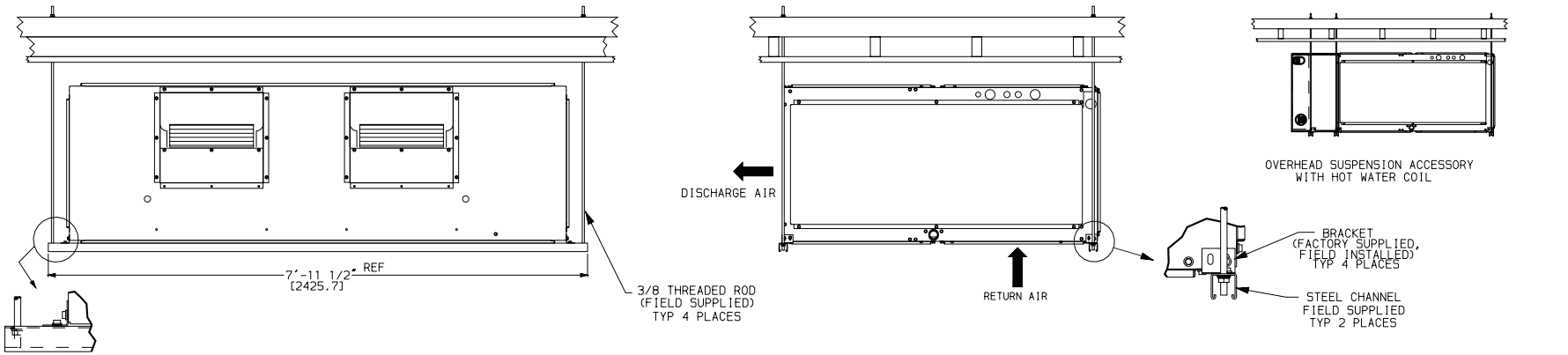
DATE 04/10/95

SUPERSEDES -

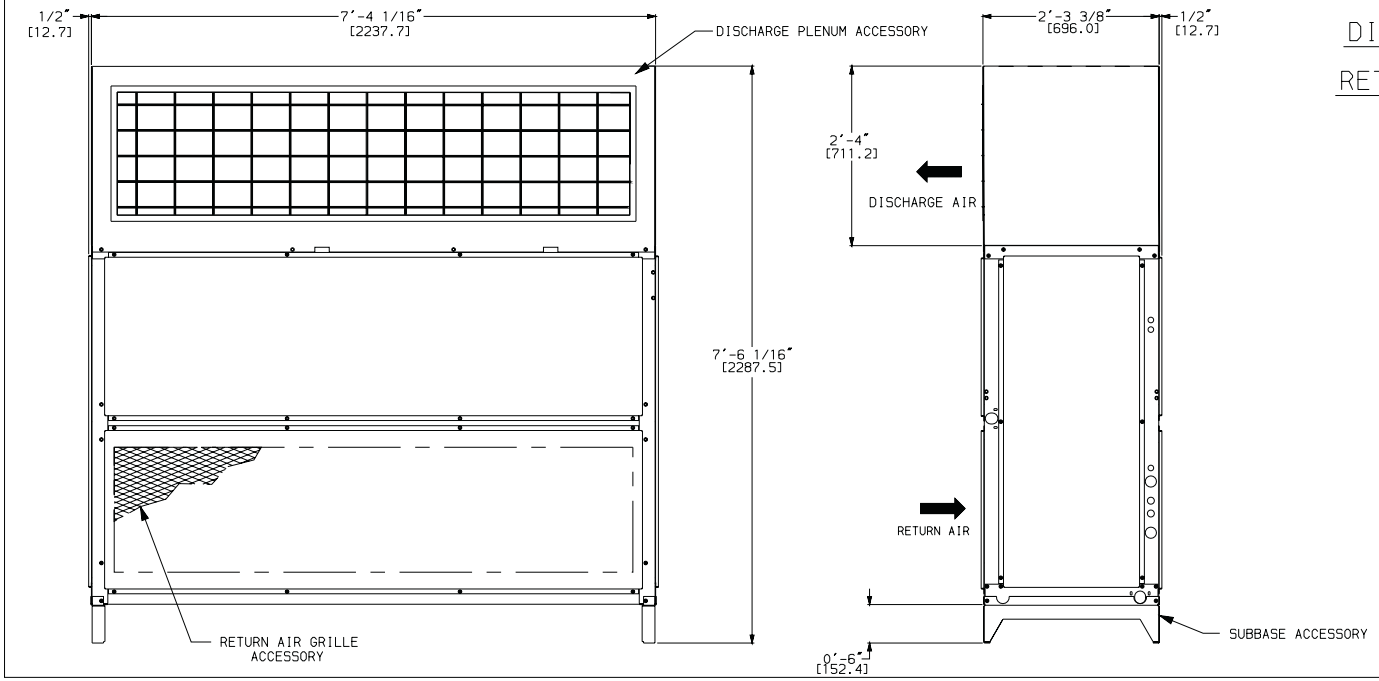
40RM014-024, 40RMS014-024, 40RMQ016 FAN COIL ACCESSORIES

40RM500997

REV A



OVERHEAD SUSPENSION ACCESSORY



DISCHARGE PLENUM ACCESSORY

RETURN AIR GRILLE ACCESSORY

SUBBASE ACCESSORY

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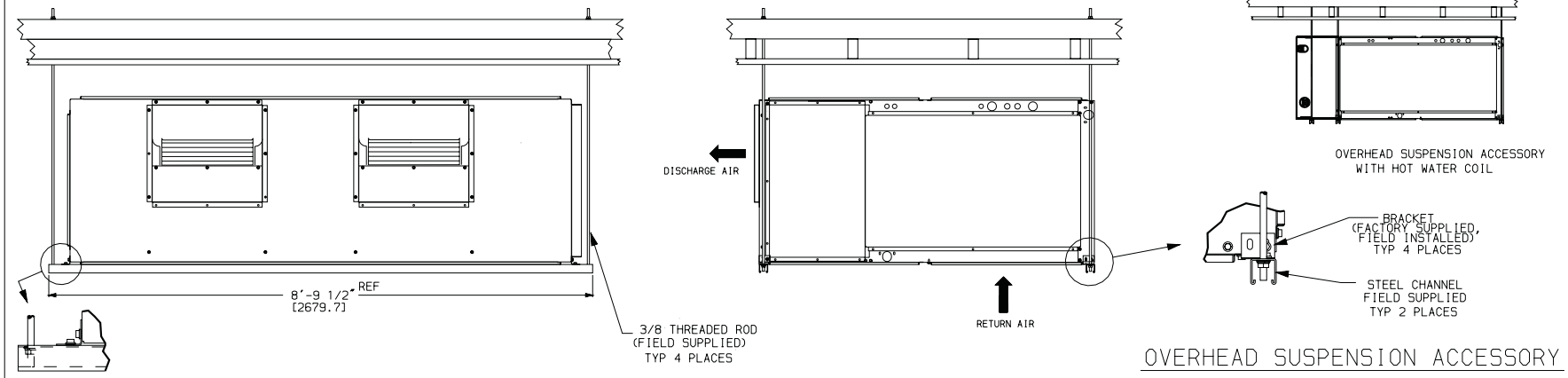
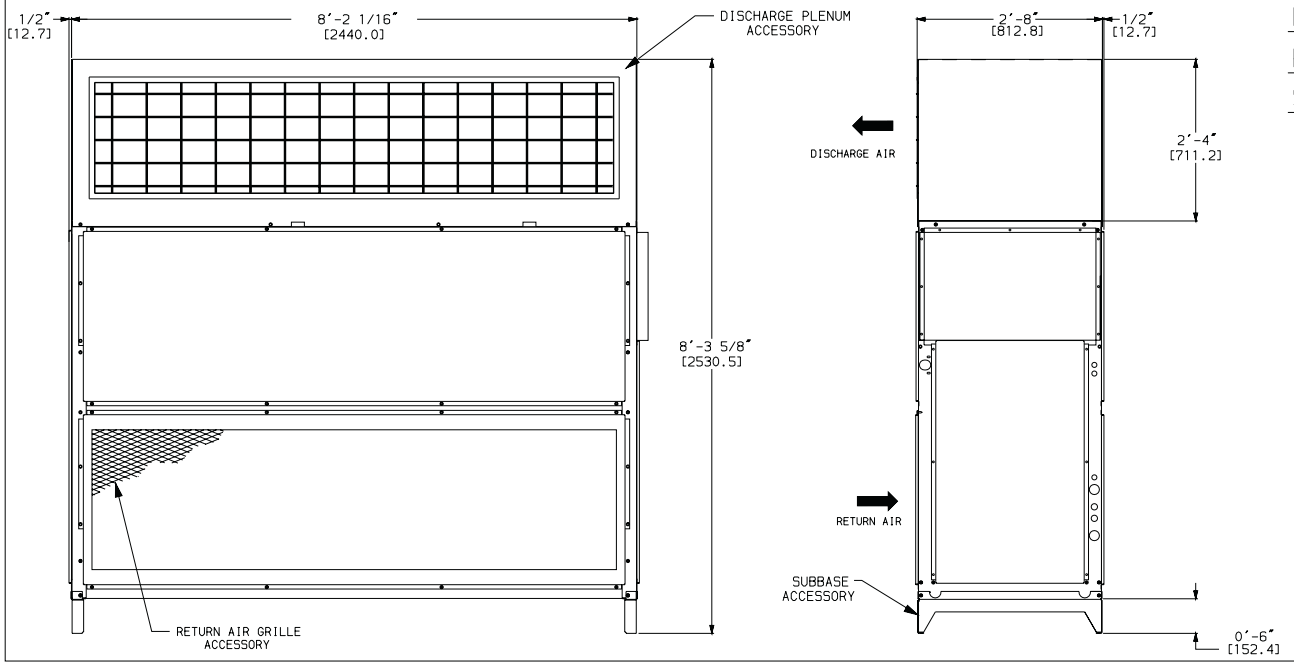


OVERHEAD SUSPENSION ACCESSORY



DISCHARGE PLENUM ACCESSORY

RETURN AIR GRILLE ACCESSORY

SUBBASE ACCESSORY

DATE 09/19/97
SUPERSEDES 04/10/95
40RM028-034 FAN COIL ACCESSORIES
40RM500998
REV B

CUT ALONG DOTTED LINE CUT ALONG DOTTED LINE

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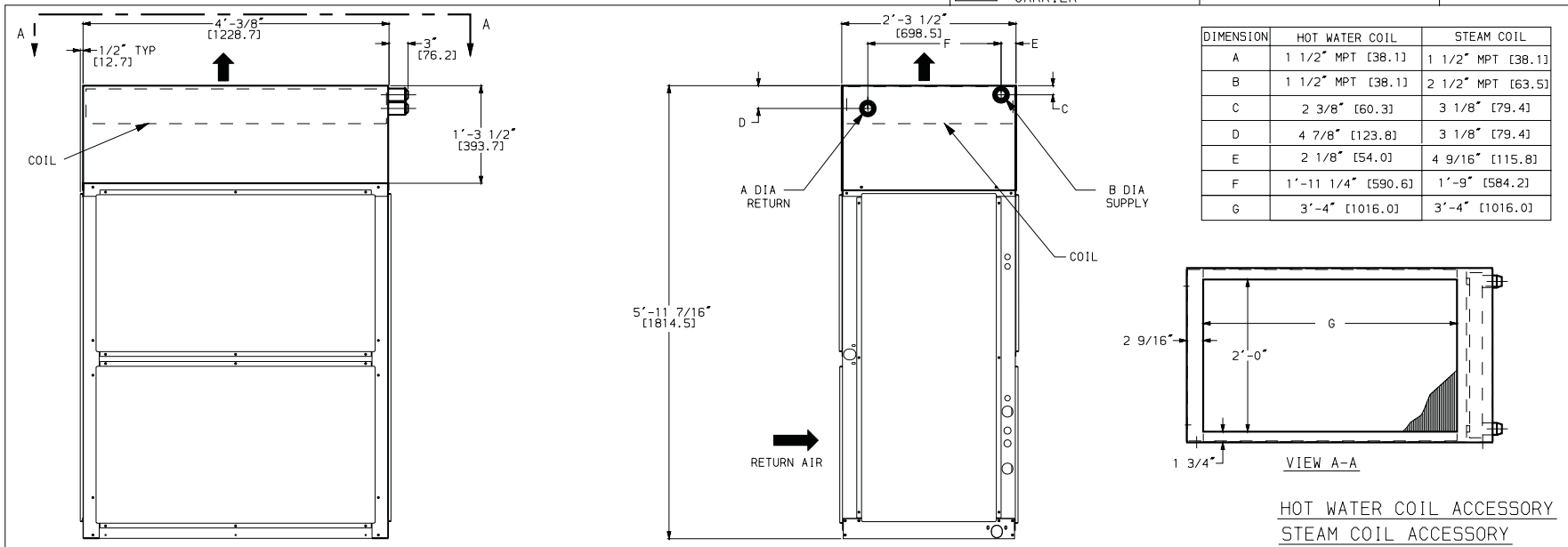
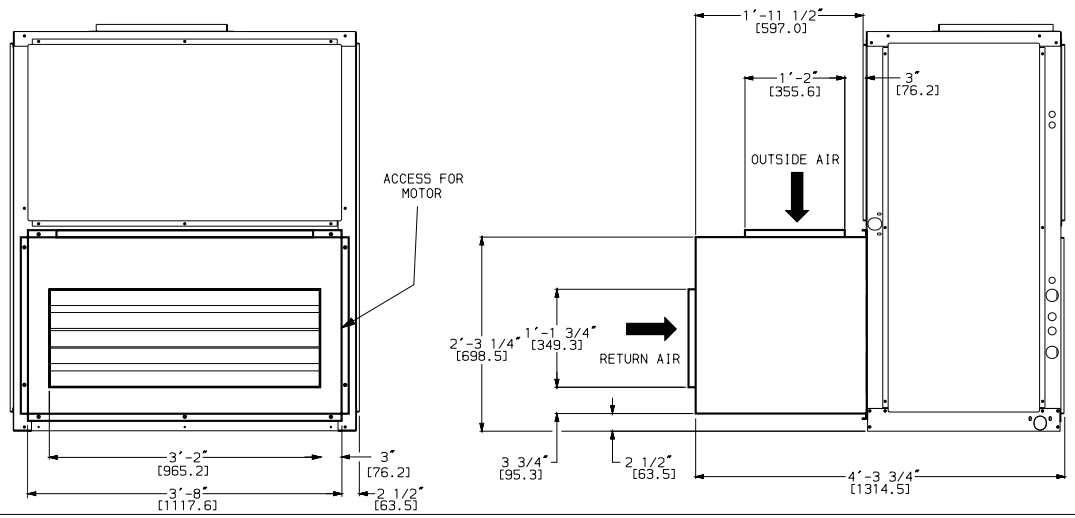


DIMENSION	HOT WATER COIL	STEAM COIL
A	1 1/2" MPT [38.1]	1 1/2" MPT [38.1]
B	1 1/2" MPT [38.1]	2 1/2" MPT [63.5]
C	2 3/8" [60.3]	3 1/8" [79.4]
D	4 7/8" [123.8]	3 1/8" [79.4]
E	2 1/8" [54.0]	4 9/16" [115.8]
F	1'-11 1/4" [590.6]	1'-9" [584.2]
G	3'-4" [1016.0]	3'-4" [1016.0]

HOT WATER COIL ACCESSORY
STEAM COIL ACCESSORY

ECONOMIZER ACCESSORY



DATE 4/10/95
SUPERSEDES -
40RM007-012,40RM5008-012,40RM0008-012 FAN COIL ACCESSORIES
40RM500999
REV A

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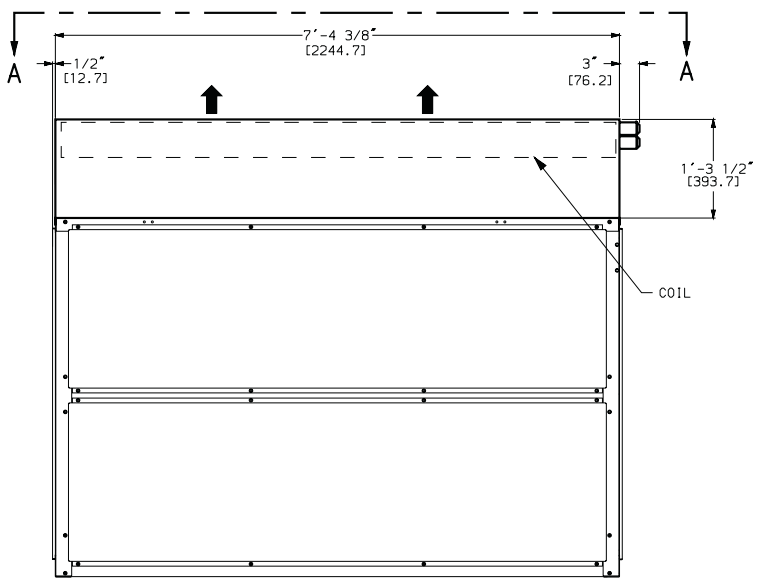
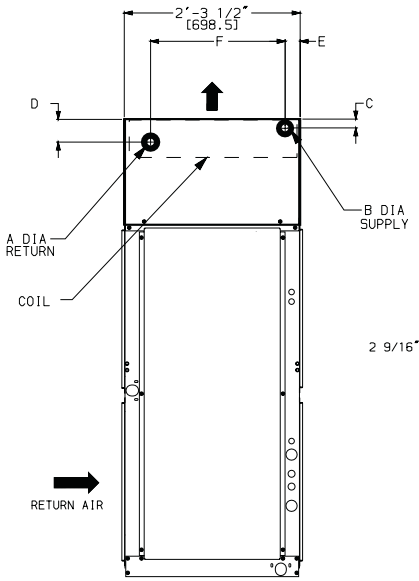
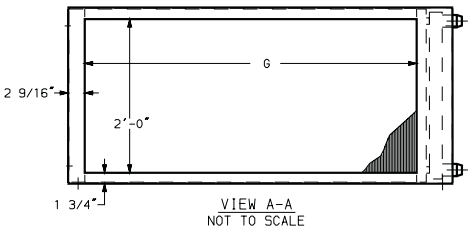




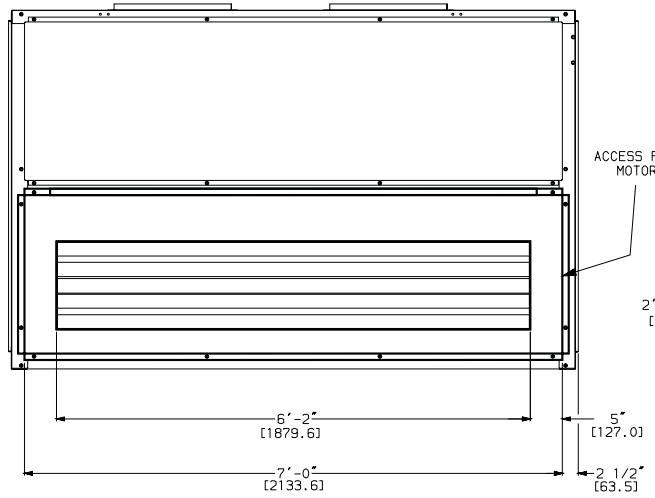
DIMENSION	HOT WATER COIL	STEAM COIL
A	2" MPT [50.8]	1 1/2" MPT [38.1]
B	2" MPT [50.8]	2 1/2" MPT [63.5]
C	2 3/8" [60.3]	3 1/8" [79.4]
D	4 7/8" [123.8]	3 1/8" [79.4]
E	2 1/8" [54.0]	4 9/16" [115.8]
F	1'-11 1/4" [590.6]	1'-9" [584.2]
G	6'-8" [2032.0]	6'-8" [2032.0]

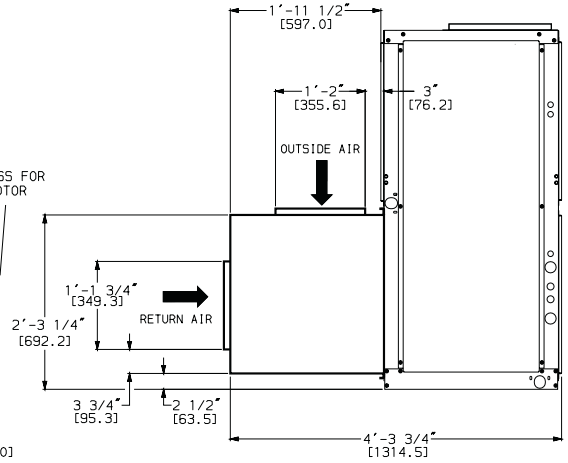


VIEW A-A
NOT TO SCALE

HOT WATER COIL ACCESSORY

STEAM COIL ACCESSORY





ECONOMIZER ACCESSORY

DATE 04/10/95
SUPERSEDES -
40RM014-024, 40RMS014-024, 40RMQ016 FAN COIL ACCESSORIES
40RM501000
REV A

CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

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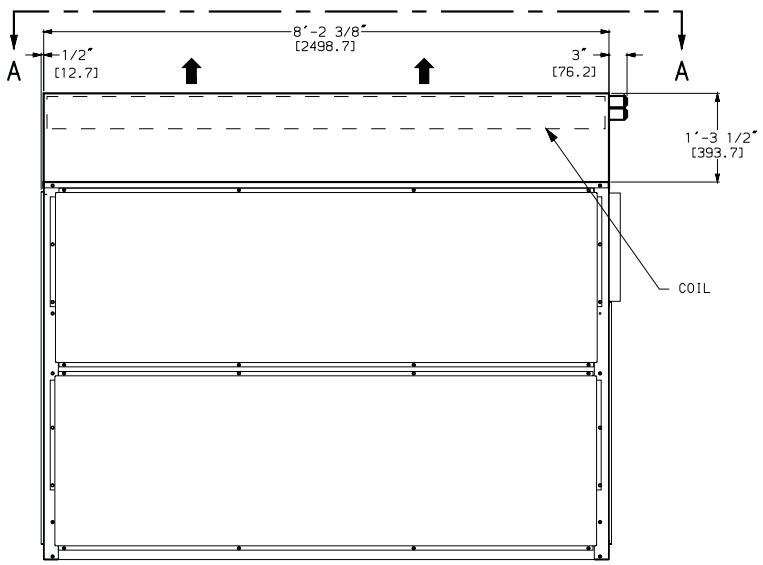
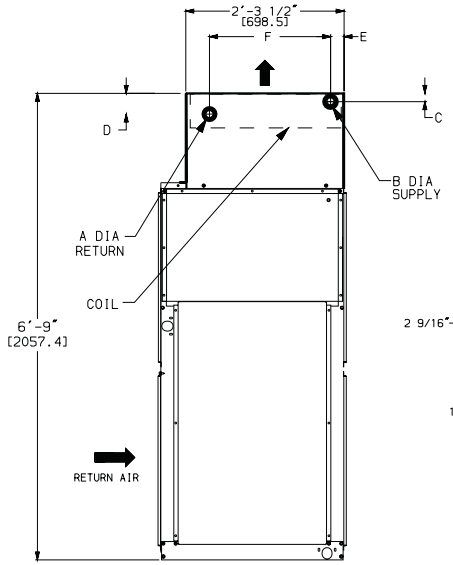
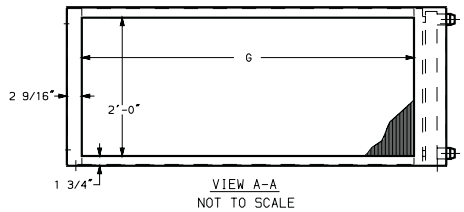
DATE 09/19/97

SUPERSEDES 4/10/95





DIMENSION	HOT WATER COIL	STEAM COIL
A	2" MPT [50.8]	1 1/2" MPT [38.1]
B	2" MPT [50.8]	2 1/2" MPT [63.5]
C	2 3/8" [60.3]	3 1/8" [79.4]
D	4 7/8" [123.8]	3 1/8" [79.4]
E	2 1/8" [54.0]	4 9/16" [115.8]
F	1'-11 1/4" [590.6]	1'-9" [584.2]
G	7'-6" [2286.0]	7'-6" [2286.0]

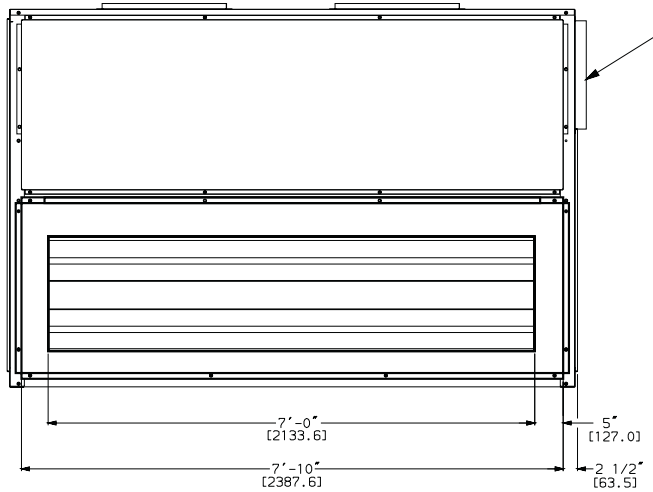


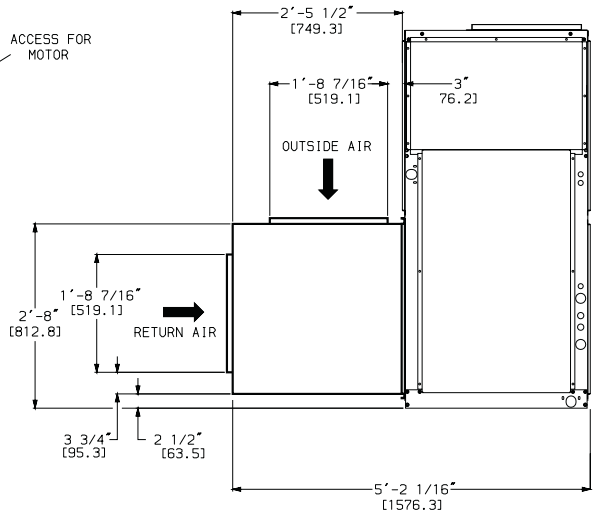
VIEW A-A
NOT TO SCALE

HOT WATER COIL ACCESSORY

STEAM COIL ACCESSORY

ECONOMIZER ACCESSORY





40RM028-034 FAN COIL ACCESSORIES

40RM501001

REV B

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UNIT SIZE	A	B	C	D	E	F	G	H	J
40RM014,016,024 40RMS014-024	1'-3 1/4" [387.4]	4'-6 3/8" [1381.1]	2-5/16" [58.7]	2'-1 1/4" [641.4]	10 5/8" [269.9]	1'-4" [406.4]	1'-4 5/16" [414.3]	1'-6 3/4" [476.3]	1'-7/8" [327.0]
40RM/RMS 028-034	1-3 3/8" [390.5]	5'-4 7/16" [1636.8]	2 1/16" [26.9]	2'-6 3/16" [766.8]	1'-1/4" [311.2]	1'-7" [482.6]	1'-4 5/16" [414.0]	1'-10" [558.8]	1' 4 7/16" [417.1]

DATE 04/10/95

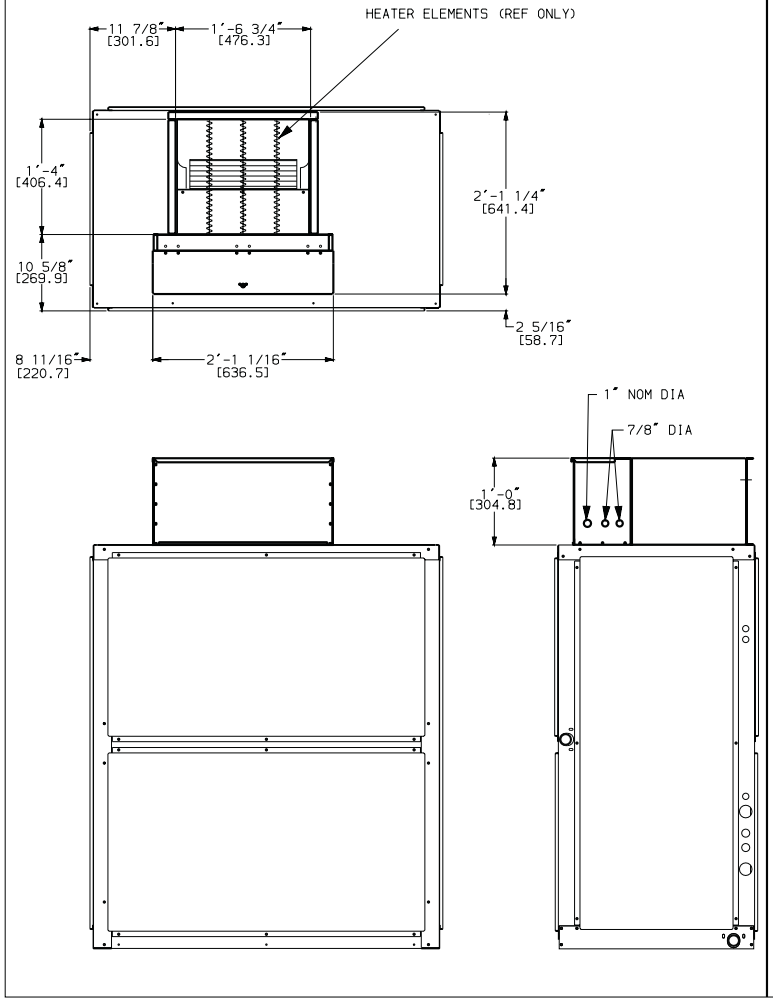
SUPERSEDES -

40RM007-034, 40RMQ 008-016 ELECTRIC HEAT ACCESSORY

40RM501002

REV —

40RM 007-012
40RMS 008-012
40RMQ 008,012



40RM 014-034
40RMS 014-034
40RMQ 016